Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/21/2020 09:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126414	1	2.45	126562	2.47
Blue	F	SSC	125000	123918	-1	1.68	124660	1.65
Blue	E	FITC	15892	15438	-3	2.94	336	21.00
Blue	D	PE	29999	29298	-3	2.10	638	15.73
Blue	B	PerCP-Cy5-5	43732	43521	-1	3.92	1165	21.84
Blue	A	PE-Cy7	30845	30410	-2	6.76	578	44.74
Red	C	APC	46112	45693	-1	2.43	1619	12.35
Red	A	APC-Cy7	30458	29585	-3	2.37	781	12.45
Violet	B	V450	7918	7616	-4	4.50	429	13.77
Violet	A	V500	32171	31346	-3	4.30	731	10.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17222	14.19	655	34	N/A	N/A	Pass
Blue	F	SSC	56437	1.27	583	24	N/A	N/A	Pass
Blue	E	FITC	62	68.96	553	10	0.0191	221	Pass
Blue	D	PE	134	52.61	559	11	0.1391	260	Pass
Blue	B	PerCP-Cy5-5	211	53.45	669	13	0.0078	47	Pass
Blue	A	PE-Cy7	105	113.73	714	16	0.0092	20	Pass
Red	C	APC	384	25.32	590	6	0.0229	92	Pass
Red	A	APC-Cy7	171	29.86	561	5	0.0051	908	Pass
Violet	B	V450	66	61.58	464	6	0.0452	2002	Pass
Violet	A	V500	109	36.03	480	6	0.0211	928	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-31.75	1.02
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.44
Red	14.90	13.60 - 20.40	N/A	N/A	29.19	29.60	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10088

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments